Figure 1.

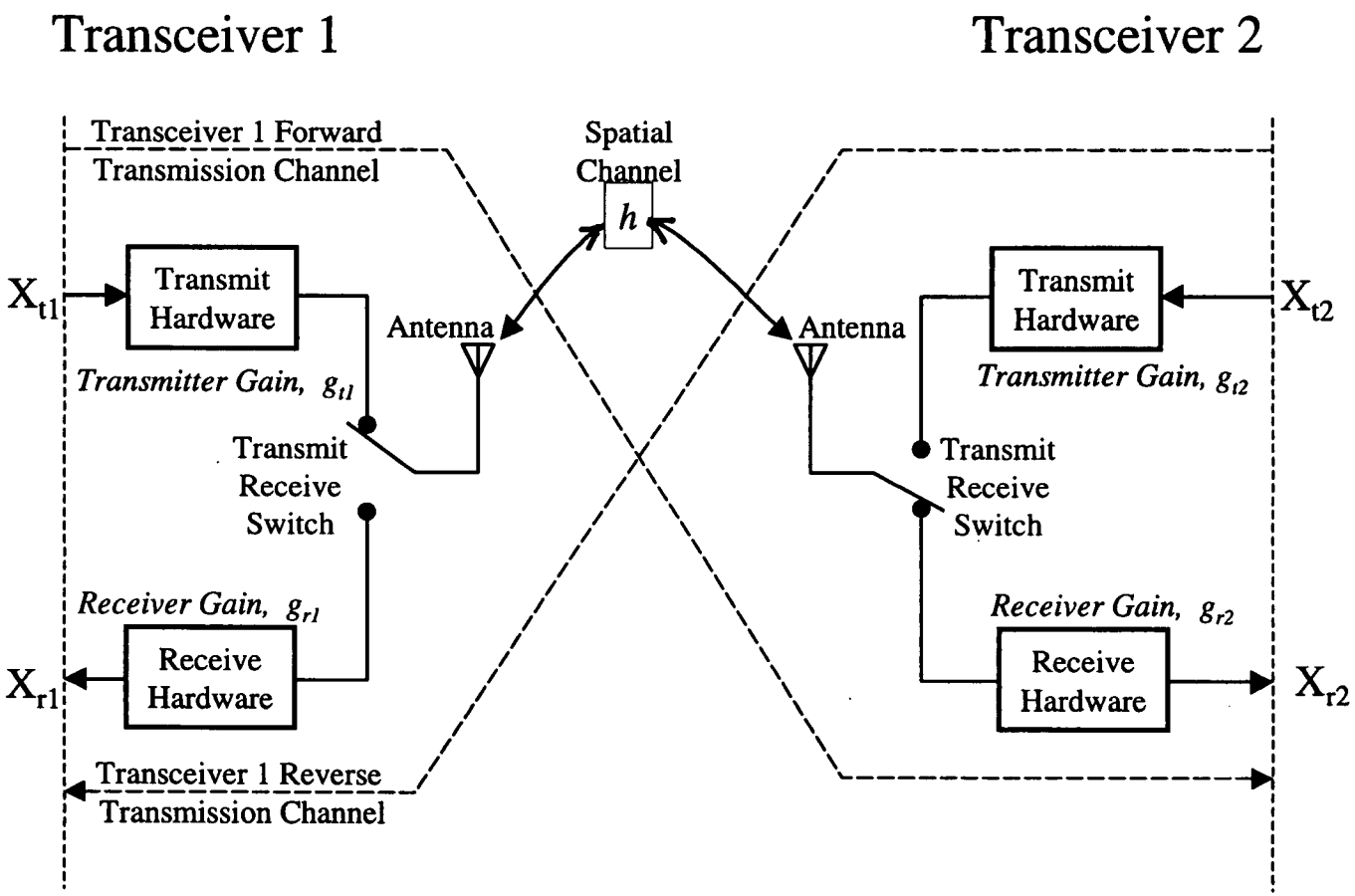
Transceiver 1
Transceiver 2
Transceiver 1 Forward Transmission Channel
Spatial Channel
h
X_{t1}
Transmit Hardware
Antenna
Antenna
Transmit Hardware
X_{t2}
Transmitter Gain, g_{t1}
Transmitter Gain, g_{t2}
Transmit Receive Switch
Transmit Receive Switch
Receiver Gain, g_{r1}
Receiver Gain, g_{r2}
X_{r1}
Receive Hardware
Receive Hardware
X_{r2}
Transceiver 1 Reverse Transmission Channel

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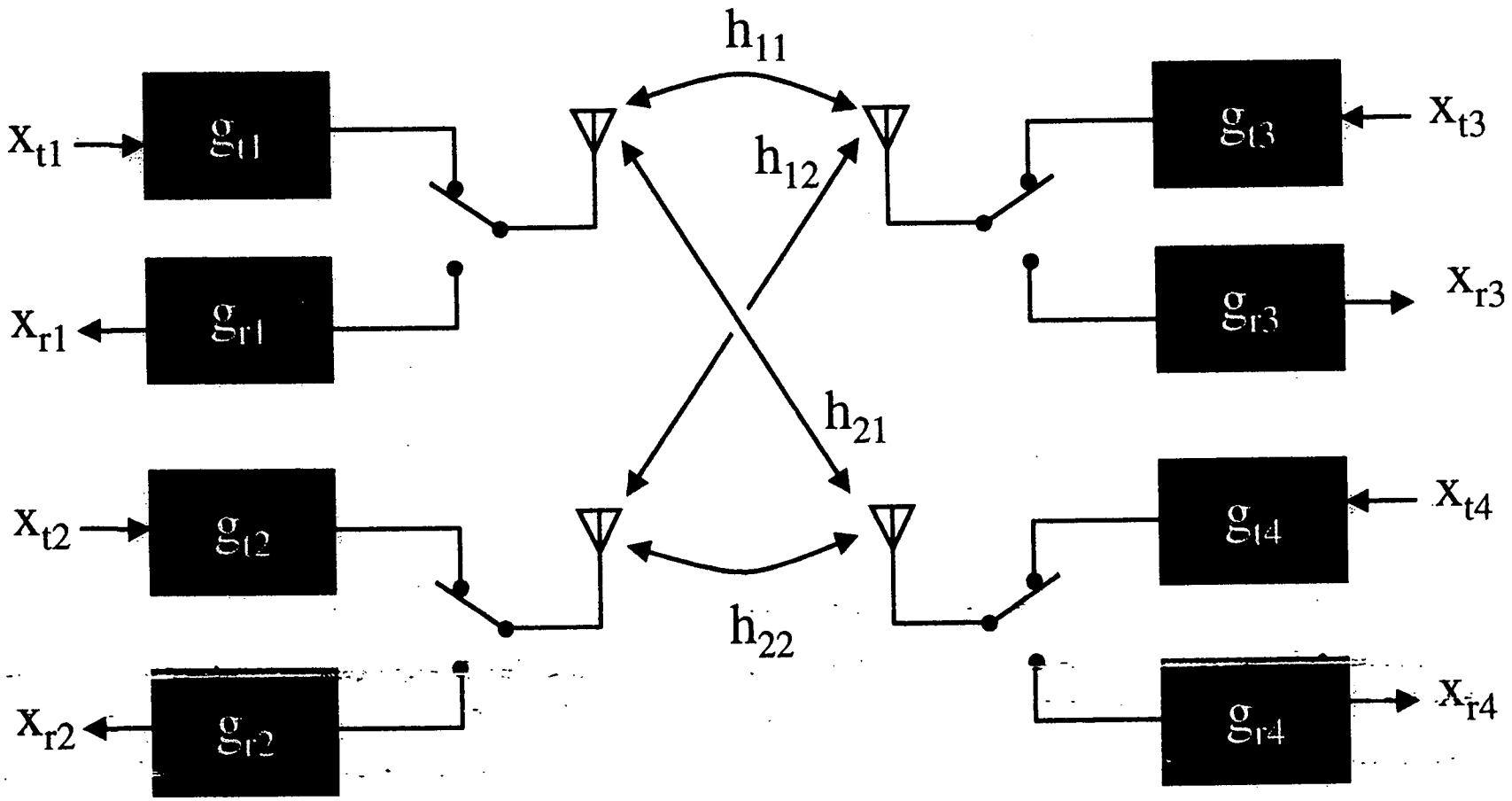
Figure 2:



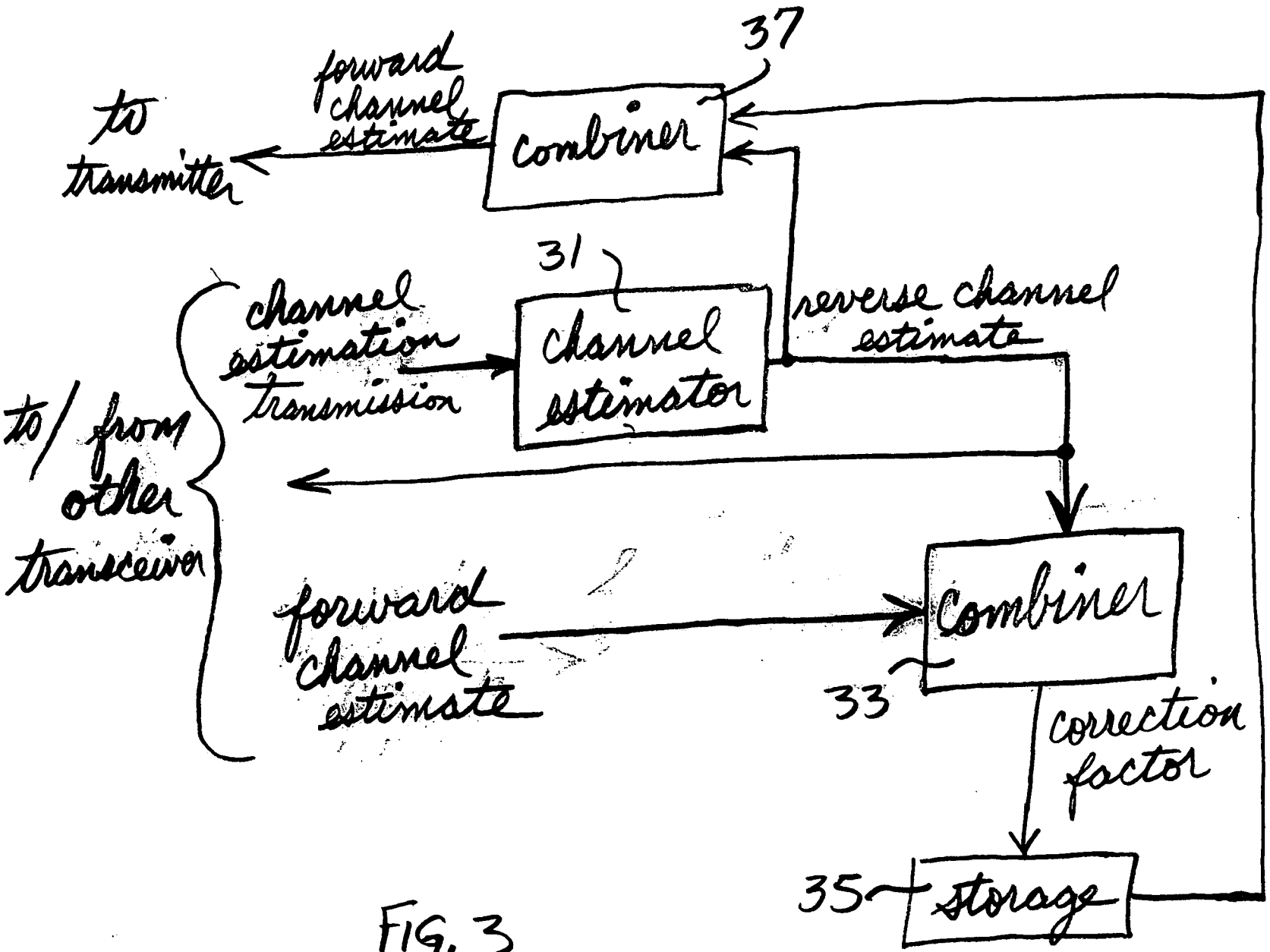

37
forward channel estimate
to transmitter
combiner
31
channel estimation transmission
channel estimator
reverse channel estimate
to/from other transceiver
forward channel estimate
Combiner
33
correction factor
35
storage

FIG. 3

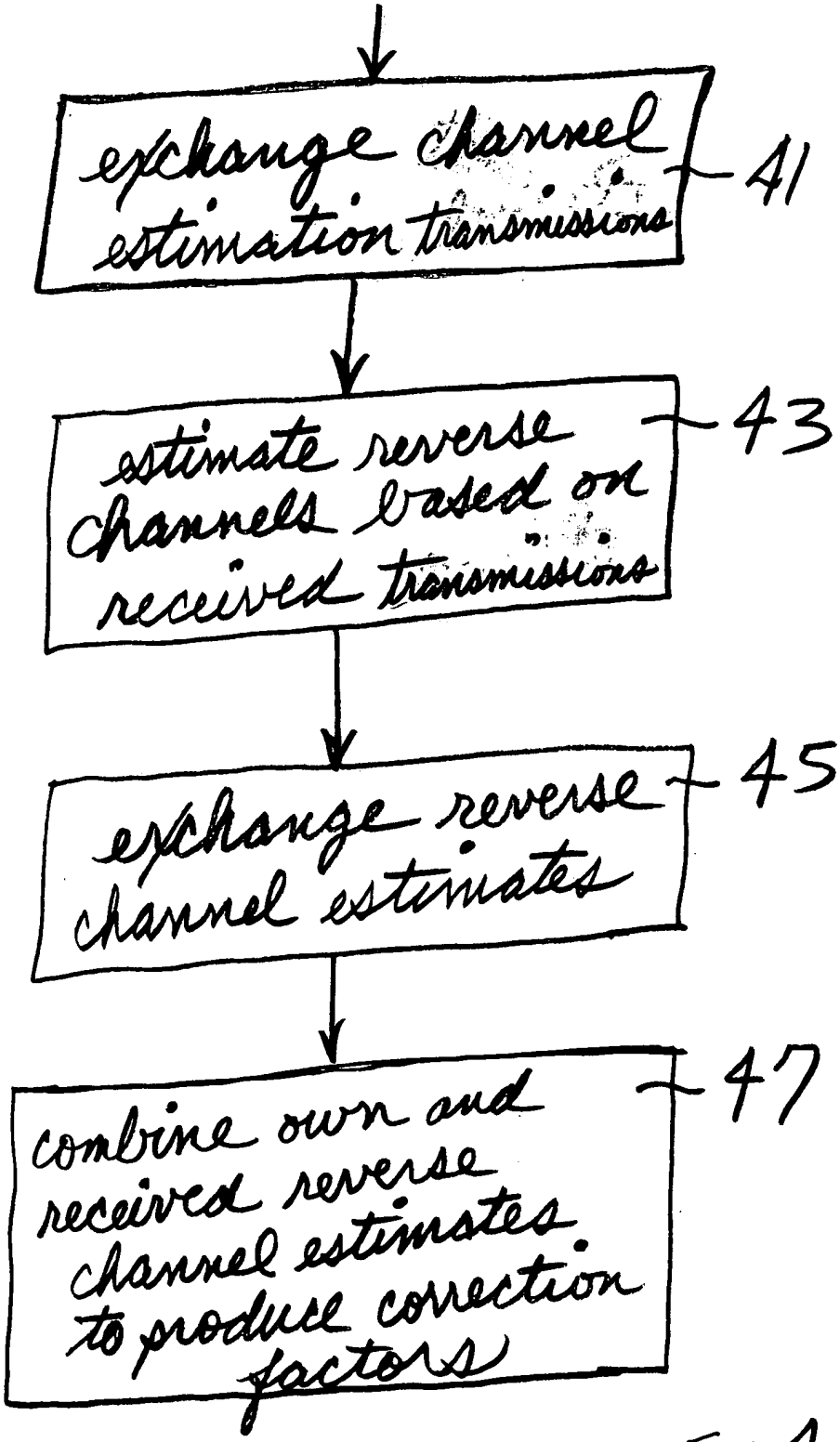

exchange channel estimation transmissions
41
estimate reverse channels based on received transmissions
43
exchange reverse channel estimates
45
combine own and received reverse channel estimates to produce correction factors
47

FIG. 4